

Agricultural Column.

Rust of Wheat and its Remedies.

The following is from the report of the Commissioner of Agriculture:

"The oldest of our histories, the Bible, frequently alludes to it as common among the Jews, and represented it as one of the punishments inflicted on the disobedient people. They were warned that disobedience would be followed 'with blasting and with mildew;' and when thus punished, the prophet Haggai says: 'I smote you with blasting, and with mildew, and with hail, in all the labors of your hands; yet ye turned not to me, saith the Lord.' The Hebrew name for the rust, *garoon*, meaning a yellow color caused by moisture, is indicative of the cause and appearance of the disease as we find them now. The Grecian and Roman writers have transmitted to us like names and causes. The Greeks call it *erustice*, and the Romans *rubigo*. Ovid, describing the *rubigalia*, a religious festival established by one of the earliest rulers of Rome, makes the priest say, 'If the sun fervently heats the moist stalks, then, O dread Goddess, is the opportunity for thy dread wrath. Be merciful, I pray, and withhold thy rusting hands from the crops.' In all times, and among every civilized people, this disease existed, and a moist stalk heated by a hot sun is the cause of it; hence, heavy dews, precipitated by clear, cool nights, succeeded by a hot sun during the day, soon develop the disease now, as it did in the most ancient periods. It was not until the microscope was invented that the true nature of the disease was known. There is a species of plant which lives on the sap of other plants, called parasite. The rust and smut are plants of this character. The microscope shows the fact that rust is a perfectly formed plant, having roots, stems and branches, and producing seed too small for the unaided eye to discover. These exist in innumerable quantities in the atmosphere, awaiting the condition essential to their germination and development. What these are we have already seen. In the language of Ovid, they are the sun fervently beating on the moistened stalks. When this moisture proceeds from showery weather, no danger need be apprehended; but when from dews precipitated by cool nights, then the rust rapidly develops itself, whether the moisture in drying so rapidly causes a contraction of the outer portion of the stem so as to induce splitting, or whether the coolness of the night causes it, is not certainly ascertained. Be this as it may, the result is the same—an imperceptible splitting of the straw through which the sap oozes out. The invisible and multitudinous seeds of the rust attach themselves to this sap, and burying themselves in it, rapidly vegetate, striking their roots in the openings of the straw, thus diverting to themselves the sap of the plant, which should go to the filling out and ripening of the grain. Hence it so rapidly shrivels and often becomes worthless."

"What is the remedy against this evil. The Romans sacrificed a red bitch on the altar of the Goddess *Rubigo*, the priest entreating her to withhold her rusting hands. If the farmers could be persuaded to sacrifice all bitches to the goddess, then an altar ought to be erected on every farm, for the indirect benefit to the wheat crop by increased sheep husbandry would more than compensate all losses from the rust."

"The Jewish prophets regarded the blasting and mildew as a punishment for the sins of the people. When a people by rebellion, under such high condition of prosperity as exhibited by the census of 1860, seeks its own and the destruction of others, and the overthrow of the best Government the world has seen, blasting and the mildew of the wheat crop will not stay their impious hands. But, regarding the remedy for rust, through the microscope, we find that it is not in all stages of the growth of the plant that the straw is liable to split under heavy dews and a hot sun. It is not in its growing state, but in its ripening stage only, that this result is produced. Hence, whatever rapidly shortens the ripening stage lessens the danger. For this purpose this is nothing equal to stable manure, the precise effects of which on the soil and on the wheat crop will be stated under the head of manures. Another remedy is in immediate harvesting when the crop is affected by the rust. The following instructive experiments on this point I find in Mr. Klippart's essay on wheat. Mr. George D. Hendricks, of Preble county, Ohio, writes to Mr. Klippart as follows: 'In 1852 I had a large field seriously affected by rust, and, having read in the *Genesee Farmer* the necessity of early cutting, I put a hand cradle to work and left; was absent a few days, and, on my return, found my hand had only cut a few dozen of sheaves, avowing it was so green he knew it would be worthless. I then procured hands and had the field cut, but too late for more than half a crop, whilst the portion cut at first was plump, and had well filled grains.'

"THE KANSAS FARMER."

The officers of the State Agricultural Society have placed the "Kansas Farmer" under the editorial charge of the Senior of this paper. Its business affairs and publication will be henceforth under the exclusive control of the Journal Office firm. The first number of Vol. 2 will be issued from this office about the 15th of this month. Its publication is delayed by various causes. One is, the new arrangement was not perfected until after the middle of last month. Another is, the present conductors have enlarged the paper and are issuing it in a new and entirely changed form. New material had to be procured from the East, which required time. Everything needed is now in hand, and the May number is progressing rapidly towards completion.

It will be published monthly, as heretofore; and on good paper, octavo form, size of the "Prairie Farmer," published at Chicago, and will be made up and issued in as complete a style as any of its contemporaries.

The price will be advanced from 50 cents to one dollar for single subscribers. Eighty-five cents for clubs of ten or more.

For dealers in Machinery and Agricultural implements it will be one of the best advertising mediums in the State. Price ten cents line for every insertion.

M. E. LOWMAN & CO.,
State Journal, Lawrence.

Notice.

State of Kansas, ss.
Davis County, }
In the District Court of the Third Judicial District of the State of Kansas, sitting in said county of Davis.

Calvin Smith, Plaintiff, }
vs. }
George M. Morse, Defendant. }
Morse, the defendant in the above entitled suit, is hereby notified by publication being made in the *Smoky Hill and Republican Union* for six consecutive weeks, that the above named plaintiff, Calvin Smith, has filed his petition in the above entitled suit against you, in the above mentioned court, wherein said suit is now pending, the object of which, and the prayer of said petition, is, for said plaintiff to recover judgment against you, for the sum of Two Hundred and Twenty-five Dollars, together with interest thereon at the rate of twenty per cent. per annum from the tenth day of May, A. D. 1861, due and owing to him from you, on that certain promissory note dated of the seventh day of May, A. D. 1860, by which you promised to pay twelve months after the date thereof, to said plaintiff or order, at the office of T. B. Wigfall & Co., Leavenworth, Kansas, the sum of Two Hundred and Twenty-five dollars, with interest thereon at the rate of twenty per cent. per annum from the time the same became due until paid, and for the Court to find the amount due said plaintiff on said promissory note from you. And also to foreclose a certain deed whereby you, the said George M. Morse, on the seventh day of May, A. D. 1860, in order to secure the payment of said promissory note, and the sum of money therein specified, conveyed to said Calvin Smith, the following described tract of land situate, lying and being in the County of Davis and State of Kansas, namely, The South-west quarter of Section number Twenty-nine, in Township number Twelve South, of Range number Five, East of the Sixth principal meridian, which said deed was and is subject to a certain condition thereunder written, whereby it was and is provided that if you pay said sum of money in said promissory note specified according to the tenor and effect of the same, that then said deed should be void, otherwise it was to remain in full force and effect, and that said tract of land be sold, and that the proceeds arising from such sale thereof be applied to the payment of such judgment and the cost of this said suit, and the amount found due said plaintiff on said promissory note, and that you, the said George M. Morse, and every person claiming under you be forever barred and foreclosed of and from all and any right and equity of redemption and other right whatever of on, in or to said tract of land from and after such sale thereof, and that said plaintiff may such other and further relief in the premises as the nature of his case may require, and he be entitled to.

And you, the said George M. Morse, are further hereby notified, that you are required to answer said petition on or before the 25th day of June, A. D. 1864, and that unless you answer the same on or before the day last named, said petition will be taken as true, and judgment rendered accordingly.

Dated this 23d day of April, A. D. 1864.
CLOUGH & WHEAT,
Attys for Plaintiff.

R. D. MOBLEY, District Clerk.

Attest:

FRUITS! FRUITS!!

for Sale at

STREETER & STRICKLER'S

Dried Apples,

Dried Peaches,

Dried Blackberries,

Dried Raspberries,

Dried Cherries,

Dried Currants,

Canned Peaches,

Canned Blackberries,

Canned Raspberries,

Canned Strawberries,

Canned Pine Apples,

Canned Tomatoes,

Canned Corn,

Canned Beans, &c.

JAMES B. DAVIS,

Manufacturer and Dealer in

FURNITURE,

Of every style and Description,

AND

UNDERTAKER

A Large Assortment of

WOOD COFFINS AND METALLIC CASES

Constantly on hand.

66 Delaware Street, bet. Second and Third

Leavenworth, Kansas.

The Bulletin

BOOK BINDERY

AND BLANK BOOK MANUFACTORY.

Main Street, (Opposite the Planter's,) LEAVENWORTH.

WE HAVE ESTABLISHED IN

connection with The Bulletin Job Printing Office, one of the best Binderies west of New York City, and solicit the patronage of any having work in our line. We shall devote special attention to the manufacture of

Blank Books for Counties!

District Court Books, County Treasurer's Books, RECORDS, REGISTERS, TAX BOOKS, And all kinds of

BOOKS OF PUBLIC RECORD.

Manufactured from the best of stock, and in the highest style of the art.

MERCANTILE BOOKS.

We invite the attention of Merchants, Bankers, Manufacturers, Hotel Keepers, &c., to our facilities for the manufacture of the best kinds of Ledgers, Journals, Day Books, Invoice Books, Shipping Receipts, Sales Books, Hotel Registers, Lawyer's Dockets, &c.

MAGAZINE BINDING!

Harper's, The Atlantic, Godey, Peterson, Frank Leslie, Harper's Weekly, Victrola History of the War, and all other Magazines, bound in plain or fancy binding, at the lowest figures.

Binding of all kinds and styles—Paper, Sheep, Calf, Law Style, Morocco, Turkey Morocco, and Morocco Antique, done upon the shortest notice.

RULING of all KINDS PROMPTLY DONE.

N. B.—We employ none but first-class workmen, and are prepared to guarantee every job of work sent out. Orders respectfully solicited. Address:

BULLETIN CO.,
Leavenworth, Kansas.

R. D. MOBLEY,

District Clerk of Davis County

REAL ESTATE AND LAND AGENT,

JUNCTION CITY.

WILL do business in the Land Office, and give strict attention to paying taxes for non-residents. Office on Washington street, Taylor's Building, opposite the Eagle Hotel.

FRUIT TREES FOR SALE.

The subscriber has on hand FIFTY THOUSAND AND APPLE TREES, OF WELL-SELECTED varieties, as well as a quantity of Peach, Locust &c., &c., which he offers cheap for cash, or will exchange for cows, young stock or grain, at reasonable prices. Price per hundred, \$15.

HIRAM BEALE,

Ashland Nursery, Davis Co., Kansas. [n41y]

HENRY GANZ, Agent, Junction City.

EDWARD W. SEYMOUR, M.D.,

Physician, Accoucher,

AND

Surgeon.

Office, at the City Drug Store,

Junction City, Kansas.

S. B. WHITE,

Attorney & Counsellor

AT LAW,

JUNCTION, KANSAS.

WILL PROMPTLY ATTEND TO ALL

business entrusted to his care in Western Kansas.

W. A. ROSE, W. J. THOMPSON,

W. A. ROSE & Co.,

45 Delaware Street,

LEAVENWORTH.

Wholesale and Retail Dealers in

BOOKS, STATIONERY, ENVELOPES,

AND PAPER!

School Books

Of all kinds used in the State.

Music Books and Sheet Music!

BLANK BOOKS, WALL PAPER,

Flatcap, Foolscap, Letter

and Note Papers;

PHOTOGRAPH ALBUMS

PICTURES & FRAMES, CURTAINS

AND FIXTURES.

We would call the particular attention of Merchants and Printers to our extensive Stock, which embraces nearly every article usually kept in a Book and Stationery House. Our facilities for supplying the trade are unsurpassed. ORDERS BY MAIL PROMPTLY ATTENDED TO.

Chickering & Sons'

PIANOS!

W. A. ROSE & Co.

HAVE THE AGENCY FOR THE SALE

of these and other Celebrated Pianos.

Every Piano Fully Warranted!

STATE JOURNAL

BOOK BINDERY!

JOURNAL BUILDINGS,

Near Eldridge House,

LAWRENCE, KANSAS.

Any order for

PRINTED, RULED or BLANK BOOK WORK

completed within our office, and under our

superintendence, thus insuring accuracy,

dispatch and reliability.

Magazines, Pamphlets, Newspapers and

Damaged Books neatly and substantially bound

at reasonable rates.

We promise a faithful and prompt execution

of all work forwarded to our office.

Orders are solicited from Public Officers,

Merchants and good business men everywhere,

by mail or express.

Address:

TRASK & LOWMAN,
State Journal Office,
Lawrence, Kansas.

n41-2-1y

New Goods—Everybody is invited to call

and see our stock of New Goods, now arriv-

ing. The prices will do you good to think

of.

STREETER & STRICKLER.

Plows and Farming Implements of every

description, just received at

STREETER & STRICKLER'S.

JOHN H. MANNY'S

REAPER AND MOWER

Combined!

WITH

GREAT IMPROVEMENTS!

The First, most Complete and most Successful

Combination of

REAPER AND MOWER IN THE WORLD

Nearly Sixty Thousand have been made and

successfully used. Hundreds upon hundreds

Of Premiums

Have been awarded it in competition with

other machines, receiving in Europe during

1862, the

GRAND MEDAL OF THE WORLD'S IN-

TERNATIONAL EXHIBITION

in London, being the highest award for any-

thing in the Exhibition.

The improvements for 1864 are extraordi-

nary. See them in sample Machines with Agents.

It is the Lightest Running Ma-

chine in the World

THAT WILL DO ITS WORK

PRICES:

TWO-HORSE MACHINES, \$150 AND FREIGHT.

FOUR-HORSE MACHINES, \$160 AND FREIGHT.

WRITE TO

DANIELS, MILLINGTON & Co.,

For a printed pamphlet, with full particulars.

Give your address in full.

DANIELS, MILLINGTON & Co.,

52 DELAWARE STREET,

LEAVENWORTH, KANSAS.

Sole Agents for Kansas and Western Missouri.

WHOLESALE AND RETAIL DEALERS IN

DRY GOODS, CLOTHING,

FANCY GOODS,

Boots, Shoes, Caps, &c., &c.

TO STOCK RAISERS!

Persons wishing to raise Mules will find a

GOOD JACK seven miles east of Junction

City, on Humboldt Creek. Said JACK is

thirteen and a half hands high, well built,

and proven to be a good breeder. Terms,

\$3 single leap, to be paid when the service

is performed; \$5 for the season, to be paid

during the season; \$7 to insure the mare

with foal, to be paid when the mare is known

to be with foal or when traded.

ALSO, A GOOD STALLION, dark chestnut

sorrel, sixteen and a half hands high, Levi-

athan stock, will stand at the same place.

Terms—\$2 for single leap; \$4 for the season,

to be paid during the season; \$6 to insure,

due when the fact is ascertained or the mare

traded off. If put by insurance, the mare

must be brought regular, or the season will

be charged. Season to commence the 1st of

April, and end the 1st of July.

ROBERT REYNOLDS.

YOUNG KENTUCKY BOY!

This celebrated young horse will stand the

ensuing season at Mat Becker's stable in Junction

City, and at my stable on Clarke's Creek.

He will be at my stable on Monday and Tues-

day of each week, and the remainder of the

time in Junction.

Young Kentucky Boy is four years old,

about sixteen and a half hands high, and a

blue grey in color. He was sired by Young

Kentucky Boy, and his dam was sired by the

Old Ohio Pilot.

Terms are \$2 for single leap, \$3 for the sea-

son, if paid within the season, if not, \$4, and

\$5 to insure a colt, to be paid when the fact is

ascertained or the mare traded off.

April 20, 1864. HUGH SIMMONS.

Notice is hereby given that letters of Ad-

ministration on the estate of Jasper Sewel,

deceased, have been granted the undersigned

by the Judge of the Probate Court of Saline

county, Kansas, bearing date of the 26th of

March, A. D. 1864. All persons indebted to

said estate, are hereby notified to make im-

mediate settlement of the same; and all per-

sons having claims against said estate are

hereby notified to exhibit them to the Ad-

ministrator within one year from the date of

said letters for allowance, or they may be

barred from the benefit of said estate, and if

they do not exhibit such claims within three

years from the date of said letters, they will

be forever barred from the benefits of said

estate.

E. P. BAUGUES, Adm'r.

N. B.—I will sell the claim and one mare

as the property of J. Sewel, deceased, in

Saline, Saline county, Kansas, on Saturday,

the 14th of May, 1864. E. P. BAUGUES.

A. COHEN,

WHOLESALE DEALER IN

CLOTHING

AND ALL KINDS OF

Gents' Furnishing Goods,

HATS, CAPS, INDIA RUBBER GOODS,

Trunks, &c.

NO 21 DELAWARE STREET,

Three Doors below Scott, Kerr & Co's Bank.